

To: Egan, Robert[egan.robert@epa.gov]
Cc: Robinson, John H - DNR[John.Robinson@wisconsin.gov]; Fassbender, Judy L - DNR[Judy.Fassbender@wisconsin.gov]
From: Saari, Christopher A - DNR
Sent: Thur 2/11/2016 2:55:01 PM
Subject: Tower Standard Hydraulic Conductivity Testing

Hi Bob:

I received a cost proposal from REI to perform the hydraulic conductivity measurements that we discussed in Madison last week, and I wanted to run the concept by you to make sure it will meet the needs of EPA and LDF. In a nutshell, REI has proposed:

- Complete hydraulic conductivity calculations at all 17 wells (assume 2 hours per test)
- Data interpretation: download well specific data and conduct hydraulic conductivity calculation. Data to be presented will include copy of data download graph and conductivity calculation
- Datalogger charge: REI will be using InSitu Level Troll 500 loggers. The loggers will be atmospherically vented and will automatically compensate for barometric pressure fluctuations. REI will also use a water level indicator to collect manual measurements to ensure data is calibrated.

REI indicated that typically they run slug tests (introduce stainless slug and allow water levels to stabilize and pull the slug and measure recovery). Per Dave Larsen, some of the wells probably will recover too soon for this method and Larsen want to make sure that all parties are on board with these methods.

I should be available today if you want to discuss this, but I'll be out tomorrow. Otherwise next week would be fine, too. Thanks.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Chris Saari
Hydrogeologist – Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
Phone: (715) 685-2920
Fax: (715) 685-2909
Christopher.Saari@Wi.gov

